

# Appendix I. Summary of activities at documented goshawk nest areas, Southeast Alaska 1985-98.

## Ketchikan Area, Tongass National Forest

Nest Area/Goshawk	Activities/Observations*
<b>Butterball Lake, Heceta Island</b>  <u>band #/ tag frequency/ year/ age-sex</u> 1387-64171 150.587 92-94 AF 151.726 94-95 AF 1387-64202 151.173 94 JF 1807-41970 150.036 94 AM	Area documented in 94. Active nest located this year only on 5/16/94 by tracking adult female (1387-64171; 150.587 Biotrack 24 mo. BP) banded and tagged in 92 at Sarkar Lake, P.O.W. nest. This adult female (1387-64171; 151.726 Biotrack 24 mo. BP) retagged and the adult male (1807-41970; 150.036 Biotrack 12 mo. BP) were banded and tagged on 6/17/94. Three fledglings also observed on this date. Juvenile female (1387-64202; 151.173 Biotrack 12 mo. TM) banded and tagged on 8/1/94. Last signal for adult male (1807-41970) 8/31/94 on Heceta Island. Remains of adult female recovered on 3/13/95 at Warmchuck Inlet on Heceta Island. No activity observed at nest area in 95, 96, 97, or 98.
<b>Carroll River, Revillagigedo Island</b>  no goshawks banded/tagged	Area documented in 96 with active nest located in 97 only. Adult male goshawk observed and vocalizations heard at site 5/1/96 during ground check of mortality location for Traitors Creek, Revillagigedo Island adult female (1387-64200; 151.956). Nest not located in subsequent searches in 96, but active nest with two fledglings located 7/28/97. Goshawks observed at site in 98 but active nest not located.
<b>Convenient Cove, Hassler Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64201 151.243 94 JF	Area documented in 94. Active nest located this year only on 7/26/94 as result of intensive goshawk nest search activities. Two fledglings observed. Juvenile female (1387-64201; 151.243 Biotrack 12 mo. TM) banded and tagged on 7/27/94. Adult goshawk(s) observed at site in 4/95 and 5/96 but active nest not located. No activity observed in 97 or 98.
<b>Derrumba Ridge, Heceta Island</b>  no goshawks banded/tagged	Area documented in 97. No active nest located. Two inactive nests found on 10/30/96 as a result of timber presale activities. Nests confirmed on 8/27/97 when two nest trees climbed and eggshell fragments and prey remains collected. Area checked in 98 but no activity observed.
<b>Logjam Creek, Prince of Wales Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1807-41965 150.055 93 AM 1807-41966 150.125 93 JM	Area documented in 93. Active nest located this year only on 8/2/93 as result of timber presale inventory by FS biologist. Adult male (1807-41965; 150.055 ATS 12 mo. BP) and fledgling male (1807-41966; 150.125 ATS 12 mo. TM) banded and tagged 8/4/93. Adult male found dead NE of Sweetwater Lake, P.O.W. Island on 11/3/93; bird in starved condition. Necropsied at Washington State Univ. but acute cause of death not determined. Univ. of Alaska Museum specimen #UAM 6502. Nest area checked 94-98 but no activity observed.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<p><b>Margaret Lake, Revillagigedo Island</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-84709 151.706 96 AF 150.586 97 AF 150.603 98 AF 1807-41988 151.936 96 AM 151.260 97 AM 1807-41990 151.485 96 JM 1807-41998 150.424 98 JF 1807-57827 150.918 97 JM</p>	<p>Area documented in 94 with active nests located in 94, 96, 97, and 98. Active and alternate nests first found on 7/28/94 as result of incidental observation with follow-up searches; two fledglings present. Goshawks observed at area in 95, but active nest not located. Active nest located 4/24/96 in alternate nest first located in 94. Adult female (1387-84709; 151.706 Biotrack 24 mo. BP) and male (1807-41988; 151.936 Biotrack 9 mo. TM) banded and tagged 6/25/96. Single juvenile male (1807-41990; 151.485 Biotrack 9 mo. TM) banded and tagged 8/5/96. Nest located 5/23/97 3.2 km. from 96 nest by tracking adult female. Same adult female (1387-84709; 150.586 Biotrack 24 mo. BP) and same male (1807-41988; 151.260 Biotrack 9 mo. TM) retagged on 6/30/97. Two fledglings observed. Juvenile male (1807-57827; 150.918 Biotrack 9 mo. TM) tagged 8/12/97. Nest located on 5/5/98 ~200 m from 97 nest by tracking adult female. Same adult female (1387-84709; 150.603 Biotrack 24 mo. BP) retagged on 6/18/98; adult male (1807-41988) captured but not retagged due to old tail feathers. Three nestlings also observed on this date. Fledgling female (1807-41998; 150.424 Biotrack 12 mo. TM) banded and tagged on 8/3/98.</p>
<p><b>Port Refugio, Suemez Island</b></p> <p>no goshawks banded/tagged</p>	<p>Area documented in 89 with active nests located in 89 and 94. Active nest first active nest found 6/89 as result of timber presale activities; adults and fledglings observed. This is first southeast Alaska goshawk nest documented by biologists. Area checked 90-98. No activity observed in 90 and 91. Goshawk(s) observed in 92 and 93, but active nest not located. Active nest located 4/6/94, but failed during egg laying/incubation. Intact, addled egg found on ground 50 m from nest tree on 6/15/94. Goshawk(s) observed at area in 95 and 96, but active nest not located. Area checked in 97 and 98 but no activity observed.</p>

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<p><b>Rio Roberts Creek/ Cutthroat Creek, Prince of Wales Island</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-64205 150.508 95 AF  1387-84701 150.447 95 JF  1387-84710 150.495 96 AF  1807-41984 151.046 95 AM  151.807 96 AM  151.515 97 AM  1807-41987 151.475 95 JM  1807-41991 151.462 96 JM  1807-41992 150.046 97 AF  1807-57826 150.525 97 JM</p>	<p>Area documented in 95 with active nests located in 95, 96, 97, and 98. This nest area encompasses four nests in Rio Roberts and Cutthroat Creeks area which were used by the same adult male and three different females 95-98. The area was previously identified as two separate nest areas. Active nest located at Rio Roberts Creek on 6/14/95 as result of USFS spring breeding bird survey. Adult female (#1387-64205, 150.508 Biotrack 24 mo. BP) and adult male (1807-41984; 151.046 Biotrack 9 mo. TM) were banded and tagged on 6/29/95. Three nestlings were present on this date. The remains of one nestling were found beneath nest tree on 7/21/95. A fledgling female (1387-84701; 150.447 Biotrack 12 mo. TM) and fledgling male (1807-41987; 151.475 Biotrack 9 mo. TM) were banded and tagged on 8/8/95. Mortality location of 95 adult female confirmed 3/27/96 near Sweetwater Lake, P.O.W. The original Rio Roberts Creek nest site was checked in 96, 97, and 98 but no activity was observed. Adult male (1807-41984; 151.046) moved 2.7 km. N to new nest site at Cutthroat Creek in 96 and nested with new mate; nest located on 6/23/96 by repeatedly following adult male's signal. Adult female (1387-84710; 150.495 Biotrack 12 mo. BP) banded and tagged on 7/1/96 at the Cutthroat Creek nest; adult male (1807-41984; 151.807 Biotrack 9 mo. TM) also retagged here on this date. Single male fledgling (1807-41991; 151.462 Biotrack 9 mo. TM) banded and tagged on 8/8/96. The 96 adult female (1387-84710) from this site moved 152 km to Security Bay, Kuiu Island in 97 and nested with a new mate. The adult male's (1807-41984; 151.807) tailmounted transmitter was molted on ~7/7/96 less than one week after attachment. An active nest was located on 7/1/97 1.6 km north of the 96 Cutthroat Creek nest after adult female wail calls were heard. The new adult female (1807-41992; 150.046 Biotrack 12 mo. BP) was banded and tagged on 7/3/97 and the adult male (1807-41984; 151.515 Biotrack 9 mo. TM) was retagged. The 97 Cutthroat Creek nest contained two nestlings; fledgling male (1807-57826; 150.525 Biotrack 9 mo. TM) was banded and tagged on 8/6/97. In 98 the 97 adult female (1387-84710) and adult male (1807-41984) nested 1.1 km N of 97 nest. Three nestlings were observed on 6/5/98 when video camera was mounted at nest; one nestling almost dead on this date from attacks of siblings. Second nestling fell from nest and was fed to third by adult female several days later. Nest failed on night of 6/19/98 when last nestling disappeared from nest (video). Adult female (1387-84710; 151.046) and adult male (1807-41984; 151.515) not recaptured. Adult male dropped tailmount transmitter along Thorne River, P.O.W. Island in 1/98. Last signal/visual for adult female (151.046) at nest on 6/22/98.</p>
<p><b>Sarheen Creek, Prince of Wales Island</b></p> <p>no goshawks banded/tagged</p>	<p>Area documented in 91. Active nest not located. Two fledglings and adults observed 8/91 during incidental observations. Inactive nests located later in 8/91 during timber presale activities &lt; 1.6 km from location of observations. Active nest not located. Area check 92-98. Goshawks observed in vicinity in 92 and 93, but no nesting activity observed. Area checked 94-98 but no activity observed.</p>
<p><b>Sarkar Lake, Price of Wales Island</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-64171 150.587 92-94 AF  1807-41951 150.425 92-93 AM  1807-41952 150.468 92 JM  1807-41954 150.486 92 JM</p>	<p>Area documented in 92. Active nest located this year only on 5/16/92 as result of general nest search efforts. Adult female (1387-64171; 150.587 Biotrack 24 mo. BP) and male (1807-41951; 150.425 Biotrack 12 mo. BP) banded and tagged 6/10/92. Two nestlings observed on 6/29/92. One male (1807-41952) banded on this date and tagged (150.468; Biotrack 12 mo. TM) on 7/28/92. Other nestling (1807-41954; 150.486 Biotrack 12 mo. TM) banded and tagged on 7/28/92. Mortality location of adult male (1807-41951) confirmed at Shipley Bay, Kosciuszko Island on 3/10/93. Adult female (1387-64171) wintered on Zarembo Is. in 92/93. She did not nest in 93 but was relocated and observed at Butterball Lake on Heceta Island. In 94 she nested with a new mate at this site after wintering again on Zarembo Island in 93/94. No activity observed at Sarkar Lake nest area in 93 or 94. Adult male (unidentified) responded to playback calls in adjacent stand in 95. Area checked in 96, 97, and 98 but no activity observed.</p>

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Timber Knob, Heceta Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84712 no tag 97 JF 1807-41995 151.175 98 JM 1807-41996 151.326 98 JF 1807-41997 no tag 98 JM 1807-57824 no tag 97 JF 1807-57825 no tag 97 JM 1807-57828 150.548 98 AF 1807-57829 150.862 98 AM	Area documented in 96 with active nests located in 96, 97, and 98. First active nest found on 7/13/96 as result of incidental observations; two fledglings observed. New nest located ~400m from 96 nest on 7/15/97. Three fledglings banded 7/22/97, including two females (1387-84712 and 1807-57824) and one male (1807-57825). 96 nest was found active again on 5/29/98, three nestlings observed. Adult female (1807-57828; 150.548 Biotrack 24 mo. BP) and male (1807-57829; 150.862 Biotrack 12 mo. BP) banded and tagged on 6/25/98. Three fledglings banded on 7/17/98, one male (1807-41995; 151.175 Biotrack 9 mo. TM) and one female (1807-41996; 150.326 Biotrack 12 mo. TM) were also tagged. The other fledgling male (1807-41997) was banded only. Tagged juvenile male (1807-41995) was found dead on the Thorne River, P.O.W. Island on 10/22/98 ~59 km ESE of the Timber Knob nest.
<b>Traitors Creek, Revillagigedo Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64200 151.966 94-95 AF 151.956 95-96 AF 1807-41975 150.077 95-96 AM 1807-57801 151.076 95 JF	Area documented in 94 with active nests located in 94 and 95. First active nest found on 7/18/94 as result of timber presale activities. Adult female (1387-64200; 151.966 Biotrack 24 mo. BP) banded and tagged 7/21/94. Three fledglings observed. New nest located ~100 m. from 94 nest on 4/24/95 by tracking adult female. This female (1387-64200; 151.956 Biotrack 24 mo. BP) retagged and adult male (1807-41975; 150.077 Biotrack 12 mo. BP) banded and tagged on 6/27/95. Two fledglings observed on 8/11/95; juvenile female (1807-57801; 151.076 Biotrack 9 mo. TM) banded and tagged on this date. Last signal for adult male (1807-41975) on 1/23/96 at Orchard Creek, Revillagigedo Is. Mortality location for adult female (1387-64200; 151.956) confirmed on 5/1/96 near Carroll River, Revillagigedo Is. Area checked in 96, 97, and 98 but no activity observed.
<b>Twelevemile Arm, Prince of Wales Island</b>  no goshawks banded/tagged	Area documented in 96. No active nest located. An inactive nest was found 7/96 during timber presale activities. Nest confirmed on 8/20/96 when tree was climbed and goshawk feathers and prey remains were collected. No activity observed in 97 or 98.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

# Appendix I. Continued.

## Stikine Area, Tongass National Forest

Nest Area/Goshawk	Activities/Observations*
<b>Big John Creek, Kupreanof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64174 no tag 92 JF 1387-64175 no tag 92 JF 1387-64180 150.281 93 JF 150.083 93 JF 1387-64181 150.507 93-94 AF 1807-41958 151.951 93 JM 1807-41962 151.685 93-94 AM	Area documented in 92 with active nests located in 92 and 93. First active nest found 8/6/92 as result of timber presale activities. Two fledgling females (1387-64174 and 1387-64175) banded 8/12/92. Active nest located 6/15/93, ~150m from 92 nest. Adult female (1387-64181; 150.507 Biotrack 24 mo. BP) and adult male (1807-41962; 151.685 Biotrack 9 mo. TM) banded and tagged 7/13/93. Nestling female (1387-64180; 150.281 AVM 12 mo. LM) nestling male (1807-41958; 151.951 AVM 12 mo. LM) banded and tagged on this date. Fledgling female (1387-64180; 150.083 ATS 12 mo. TM) retagged 8/19/93. Fledgling male (1807-41958) found dead 125m from nest on this date. Last signal for adult male (1807-41962) on 3/23/94 on Kupreanof Island. In 94, adult female (1387-64174) nested with new mate at West Bay of Pillars, Kuiu Island site, a distance of 43 km from the Big John Creek nest. Big John Creek nest area checked in 93, 94, 95, 97, and 98 but no activity observed. Area not checked in 96.
<b>Brown Cove, Petersburg Mainland</b>  no goshawks banded/tagged	Area documented in 98. Active nest located on 7/21/98. An adult goshawk was observed during timber presale activities on two occasions during the previous week. In subsequent searches on this date a single fledgling responded to playback calls and was observed near the nest.
<b>Camp Carl, Etolin Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1807-41994 151.497 97-98 AF 151.458 98 AF 1807-57823 no tag 97 AM 150.677 98 AM	Area documented in 97 with active nests located in 97 and 98. First active nest was found on 7/1/97 by biologists staying at the USFS Camp Carl. An adult female goshawk was observed from the camp as it aggressively chased and vocalized at a bald eagle. A nest containing two nearly fully feathered nestlings was subsequently located near this location. On 7/17/97 the adult female (1807-41994; 151.497 Biotrack 24 mo.BP) was banded and tagged and the adult male (1807-57823) was banded only. An active nest was located on 5/8/98 ~1/4 mi NNW of the 98 nest by tracking the adult female. This female (1807-41994, 151.458 Biotrack 24 mo. BP) was retagged and her mate (1807-57823; 150.677 Biotrack 9 mo. TM) tagged for the first time on 7/8/98. One mostly feathered nestling was observed on this date. The last signal for the adult male (150.677) was on 11/1/98 at Menefee Inlet, Etolin Island.
<b>Cat Creek, Cape Fanshaw</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64195 151.739 94 AF	Area documented in 94. Active nest located this year only on 6/21/94 during timber presale activities by contract biologist familiar with goshawks; three nestlings observed. Adult female (1387-64195; 151.739 Holohil 12 mo. TM) banded and tagged 7/13/94; last signal on 8/19/94. Area checked in 95, 96, and 98 but no activity observed. Freshly constructed nest located on 6/6/96 but no other nesting activity observed.
<b>Duncan Creek, Kupreanof Island</b>  <u>band#/tag frequency/ year/ age-sex</u> 1387-64203 151.037 94 JF	Area documented in 94. Active nest located this year only on 8/10/94 during timber presale activities; three fledglings observed. Juvenile female (1387-64203; 151.037 Biotrack 12 mo. TM) banded and tagged 8/11/94. Bird located as mortality on 11/9/94 near the nest area. Area checked but no activity observed in 95. Hairy woodpecker feather remains found at base of nest tree 7/18/96, nest inactive. Adult observed at area after it responded to playback call in 7/97, but active nest not located. Area checked but no activity observed in 98.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>East Bay of Pillars, Kuiu Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64183 151.868 93-95 AF 150.604 95-97 AF 151.782 97-98 AF 151.680 98 AF 1807-41973 151.426 94-95 AM 150.677 95 AM	Area documented in 94 with active nests located in 94, 95, and 97. First active nest found on 6/16/94 by tracking 93 Rowan Creek, Kuiu Island adult female (1387-64183; 151.868 Holohil 24 mo. BP) to the new nest area. East Bay of Pillars nest is 11 km from the Rowan Creek nest. Adult male (1807-41973; 151.426 Biotrack 9 mo. TM) banded and tagged on 7/1/94; female (1387-64183) not recaptured; three fledglings observed on this date. New nest located 5/19/95 ~100 m from 94 nest by tracking adult female. Same female (1387-64183; 150.604 Biotrack 24 mo. BP) and same adult male (1807-41973; 150.677 Biotrack 12 mo. BP) retagged on 7/6/95. Three nestlings observed and all fledged on this date. Area not checked in 96. During spring and summer of 96 adult female (1387-64183) resided in vicinity of Duncan Canal, Kupreanof Island but did not nest. Last signal for adult male(1807-41973; 150.677) on 11/22/95. New active nest located 6/4/97 0.8 km. from 95 nest by tracking adult female (1387-64183; 150.604). Single prefledging male (1807-41993) found on ground ~50 m from nest tree on 7/8/97; bird banded and returned to nest on this date. Adult female (1387-64183; 151.782 Biotrack 24 mo. BP) retagged on 7/9/97. Adult male not observed; identity unknown. Adult female (1387-64183) tracked 14.4 km to new nest area at Elena Bay (Tebenkof), Kuiu Island in 98 where she nested with new mate.
<b>Elena Bay (Tebenkof Bay), Kuiu Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64183 151.782 97-98 AF 151.680 98 AF 1807-41993 no tag 98 JM 1807-57831 no tag 98 AM	Area documented in 98. Active nest located this year only on 5/4/98 by tracking the East Bay of Pillars, Kuiu Island adult female (1387-64183; 151.680 Biotrack 24 mo. BP); bird originally tagged and banded at Rowan Bay, Kuiu Island in 93) to this new nest area. This female (1387-64183; 151.680 Biotrack 24 mo. BP) was retagged and adult male (1807-57831) banded but not tagged on 6/30/98. One late nestling was observed in the nest and it fledged on this date; a second fledgling was heard in vicinity of the nest.
<b>Irish Lake, Kupreanof Island</b>  no goshawks banded/tagged	Area documented in 96. Active nest located this year only as as result of timber presale activities. Two fledglings observed on 7/25/96 and nest was located on 7/28/96. An adult goshawk was observed feeding on a squirrel at the site in 6/97. Active nest was not located this year. Area was checked in 98 but no activity was observed.
<b>Kadake Bay, Kuiu Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64206 150.568 95-96 AF	Area documented in 96. Nest located this year only on 7/15/96 by tracking 95 West Bay of Pillars, Kuiu Island adult female (1387-64206; 150.568 Biotrack 24 mo. BP) to this new nest area. The Kadake Bay nest is 28 km. from the West Bay of Pillars nest. Remains of single prefledging nestling (~5 weeks old) were found on ground ~50m from nest tree on the date the nest was located. The adult male not observed and his identity is unknown. Last signal for the adult female (1387-64206; 150.588) was on 2/4/97 on Kuiu Island. Nest area was checked in 98 but no activity was observed.
<b>Kake, Kupreanof Island</b>  no goshawks banded/tagged	Area documented in 89. Active nest found on 6/23/89 when the nest tree was felled by a logger cutting in Unit Q of Kake Tribal land north of Kake. The location of this nest area is T 55S, R 72E, S 26 NW1/4 of NE1/4. Two nestling goshawks were recovered from the fallen nest tree and sent to the Alaska Raptor Rehabilitation Center where they were raised and later released in 11/89. This nest area was checked in 90, but no activity was observed. The area was not checked 91-98.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Kuakan, Deer Island</b>  no goshawks banded/tagged	Area documented in 97 with active nests located in 97 and 98. An adult was called in with playback recordings on 6/26/97 during timber presale inventories. On 6/27/97 a young fledgling responded to calls and the nest was located. On 7/15/97 an unsuccessful effort was made to trap this fledgling and the adults. The adults were not observed. The 97 nest was checked on 5/7/98 but no activity was observed. A new active nest was located on 6/27/98 during goshawk/timber presale, wildlife inventories when fledglings responded to playback recordings; three fledglings were observed. The 98 nest is located 1.2 km SE of the 97 nest. Efforts to trap the fledgling and adults on 7/11-12/98 were unsuccessful. The adults were not observed and their identities remain unknown.
<b>Madan Bay, Wrangell Mainland</b>  no goshawks banded/tagged	Area documented in 98. On 7/22/98 archeologists conducting timber presale work in the area observed two fledglings. During a subsequent visit by biologists on 7/29/98, two fledglings and one adult were observed but the active nest could not be located ( <i>nest was located later on 4/13/99</i> ).
<b>Mitchell Creek, Kupreanof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64192 151.956 94 AF 1387-64194 no tag 94 JF 1807-41986 150.716 95-96 AM	Area documented in 94 with active nests located in 94 and 95. First active nest located on 6/5/94 as result of timber presale activities. Adult female (1387-64192; 151.956 Biotrack 12 mo. TM) banded and tagged on 7/8/94; three fledglings observed. Adult male not observed and identity unknown. Young fledgling female (1387-64194) banded but not tagged on 7/11/94. Last location for adult female on 10/12/94 (dropped tailmount transmitter). New active nest located 6/95 ~250 m from 94 nest via nest search efforts. Adult male (1807-41986; 150.716 Biotrack 12 mo. BP) banded and tagged on 7/8/95; banded adult female (presumed to be 1387-64192) present but not recaptured. Two nestlings observed on this date. Remains of 95 adult male (1807-41986; 150.716) recovered on north Zarembo Island on 4/18/96. Nest area checked in 96, 97, and 98 but no activity observed.
<b>Mossman Inlet, Etolin Island</b>  no goshawks banded/tagged	Area first reported by USFS cruiser in 86 as result of timber presale activities. Active nest and aggressive adults observed (by cruiser) this year only. Nest area checked in 92 and 93 but the nest was inactive. Area not checked in 94, 95, 96, 97, or 98.
<b>Mountain Point, Kupreanof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64193 151.025 94-95 AF 1387-64199 151.404 94 AF 1807-41974 151.595 94 AM	Area documented in 94. Active nest located this year only on 6/21/94 as result of timber presale activities. Adult female (1387-64193; 151.025 Biotrack 12 mo. TM) and adult male (1807-41974; 151.595 Biotrack 9 mo. TM) banded and tagged on 7/10/94; two fledglings observed on this date. Fledgling female (1387-64199; 151.404 Biotrack 12 mo. TM) banded and tagged on 8/10/94. Adult female (1387-64193; 151.025) found dead in nest area on 5/9/95. Univ. of Alaska Museum specimen # UAM 6712. Adult male's (1807-41974; 151.595) tailmounted transmitter signal stationary, then failed in 12/94; status of bird unknown. No activity observed at area in 95. Area not checked in 96. Area checked but no activity observed in 97 or 98.
<b>Nergo Creek, Cape Fanshaw</b>  no goshawks banded/tagged	Area documented in 94. Active nest located this year only on 7/3/94 as result of timber presale activities. One fledgling observed on this date. Area occupied by adults in 95 but active nest not located. Area checked in 96 and 98 but no activity observed. Area not checked in 97.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Rowan Creek, Kuiu Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64183 151.868 93-94 AF 1387-64184 150.033 93 JF 1387-64185 150.155 93 JF 1807-41964 151.889 93-95 AM	Area documented in 93. Active nest located this year only on 6/21/93 as result of timber presale activities; two fledglings observed. Adult female (1387-64183; 151.868 Holohil 24 mo. BP) and adult male (1807-41964; 151.889 Holohil 24 mo. BP) banded and tagged on 7/28/93. Two juvenile females (1387-64184; 150.033 ATS 12 mo. TM and 1387-64185; 150.155 ATS 12 mo. TM) banded and tagged on 8/16-17/93. In 94 the adult female (1387-64183) moved to East Bay of Pillars, Kuiu Island area and nested with a new mate. The 93 Rowan Creek adult male (1807-41964) remained on territory in 94 and 95 but no nesting activity was detected. This bird's remains were recovered at Rowan Bay on 5/18/95. A silent unmarked adult male was observed at the 93 nest site on 7/18/95 after broadcast of conspecific calls. No activity observed at area in 96. In 6/97 an adult female and male of unknown identities were observed vocalizing aggressively in response to playback recordings ~400 m south of 93 nest site; an active nest was not located this year. Area checked in 98 but no activity observed.
<b>Sanborn Canal, Cape Fanshaw</b>  no goshawks banded/tagged	Area documented in 94. Active nest located this year only on 7/18/94 as result of timber presale activities; two fledglings observed. No activity observed in 95. Area checked on 6/7/96 but no activity observed. Area not checked in 97. Area checked in 98 but no activity observed.
<b>Security Bay, Kuiu Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84710 150.495 97 AF 151.512 97-98 AF	Area documented in 97. Active nest located this year only on 6/6/97 by tracking the 96 Roberts/Cutthroat Creek, P.O.W. Island adult female (1387-84710; 150.495) to this new nest area. The distance between the Roberts/Cutthroat Creek nest and the Security Bay nest is 152 km. This adult female (1387-84710; 151.512 Biotrack 24 mo. BP) was retagged on 7/11/97. Her mate was not observed and his identity is unknown. Two large, downy nestlings were observed on this date. This area was checked on 6/29-30/98 but no activity was observed.
<b>Starfish, Etolin Island</b>  no goshawks banded/tagged	Area documented in 91. Active nest located this year only as result of timber presale activities; two fledglings observed. Area checked 92-95 but no activity observed. Nest area not checked in 96. Area checked in 97 and 98 but no activity observed.
<b>Totem Camp, Kupreanof Island</b>  no goshawks banded/tagged	Area documented in 94. Active nest located this year only on 8/1/94 as result of timber presale inventories; two fledglings observed. Area checked in 95 but no activity observed. Area not checked in 96. Area checked in 97 and 98 but no activity observed.
<b>Tunehean Creek, Kupreanof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84710 151.512 97-98 AF 1807-57830 no tag 98 AM	Area documented in 98. Active nest located this year only on 6/28/98 by tracking the Security Bay, Kuiu Island adult female (1387-84710; 151.512 Biotrack 24 mo. BP) to this new nest area. This bird was originally banded and tagged 7/1/96 at Roberts/Cutthroat Creek nest area on Prince of Wales Island. The Tunehean Creek nest is 48 km from the Security Bay, Kuiu Island nest. The Tunehean Creek adult male (1807-57830) was banded but not tagged on 6/28/98; one ~18 day old nestling was observed on this date. The adult female (1387-84710) was not recaptured in 98.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Upper Totem Creek, Kupreanof Island</b>  no goshawks banded/tagged	Area documented in 93. No active nest located. Two inactive nests located during timber presale activities on 7/12-13/93; goshawk prey remains collected. Area checked in 94 and 95 but no activity observed. Area not checked in 96. Area checked in 97 and 98 but no activity observed.
<b>West Bay of Pillars, Kuiu Island</b>  <u>band# / tag frequency / year / age-sex</u> 1387-64181 150.507 93-94 AF 151.642 94 AF 1387-64189 no tag 94 JF 1387-64206 150.568 95-96 AF 1807-41985 150.917 95-96 AM	Area documented in 94 with active nests located in 94 and 95. First active nest found on 6/17/94 by tracking the 93 Big John Creek, Kupreanof Island adult female (1387-64181; 150.507) to this new nest area. The West Bay of Pillars, Kuiu Island nest is 43 km from the Big John Creek, Kupreanof Island nest. This adult female (1387-64181; 151.642 Biotrack 24 mo. BP) was retagged on 6/30/94; the unmarked adult male was observed briefly but not captured; two ~28 day-old nestlings observed on this date. Fledgling female (1387-64189; 151.273 Biotrack 12 mo. TM) banded and tagged on 8/17/94. Last signal for the adult female (1387-64181; 151.642) on 10/7/94. New active nest located in snag on 7/7/95 ~150m from 94 nest after new adult female responded to playback conspecific calls. One ~28 day-old nestling observed on this date. This adult female (1387-64206; 150.568 Biotrack 24 mo. BP) was banded and tagged on 7/7/95. Adult male (1807-41985; 150.917 Biotrack 12 mo. BP) banded and tagged on 7/8/95. Nest area not checked in 96. Adult female (1387-64181) nested ~3 miles N of Kadake Bay, Kuiu Island with different mate in 96. Remains of 95 West Bay of Pillars adult male (1807-41985) recovered from marten burrow at Rowan Bay, Kuiu Island on 7/10/96. Nest area checked in 97 and snag nest tree of 95 had fallen; 94 nest inactive. Area checked in 98 but no activity observed.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

# Appendix I. Continued

## Chatham Area, Tongass National Forest

Nest Area/Goshawk	Activities/Observations*
<p><b>Auke Bay, Juneau, Mainland</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-84725 151.275 97-98 AF 98 AF 1387-84745 no tag 98 JF 1387-84746 150.251 98 JF 1807-57836 151.357 98 AM</p>	<p>Area documented in 98. Active nest located on 3/30/98 by tracking the 97 Nugget Creek, Juneau Mainland adult female (1387-84725; 151.725 Biotrack 24 mo. BP) 12.2 km to this new nest area where she paired with a new male. Copulation and nest building observed on this date. This adult female (1387-84725; 151.481 Biotrack 24 mo. BP) was retagged and the adult male (1807-57836; 151.357 Biotrack 9 mo. TM) banded and tagged on 6/19/98. Nest fledged 3 young in 98, including 2 females and 1 male. One fledgling female (1387-84746; 150.251 Biotrack 12 mo. TM) was banded and tagged and the other fledgling female (1387-84745) banded only on 8/6/98. The juvenile male damaged a wing during the fledgling dependency period and was sent to the Sitka Raptor Rehabilitation Center for surgery; it was later placed with a falconer for rehabilitation. Juvenile female (1387-84745; no tag) was located with a broken wing in a residential area within the Mendenhall Valley on 9/6/98 and died during surgery. A signal from the other juvenile female (1387-84746; 150.251) was last detected on 8/12/98. The 98 nest site is located within the Auke Bay road bypass project area. Despite attempts at mitigation, road clearing and construction were initiated on 5/18/98 during the incubation period. Construction activities significantly altered the nest stand.</p>
<p><b>Blueberry Hill, Douglas Island</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-64177 150.567 93-94 AF 151.845 94-95 AF 151.001 95-96 AF 1387-64198 150.155 93 JF 1387-84726 151.824 98 AF 1807-41956 151.424 93-94 AM 150.396 94-95 AM 151.129 95-96 AM 150.530 98 AM</p>	<p>Area documented in 93 with active nests located in 93, 94, 95, 97, and 98. First active nest first found in 93 by a USFS technician conducting bird survey point counts. Subsequent nests located 94-98 by tracking tagged adults. Adult female (1387-64177; 150.567 Biotrack 24 mo. BP) and adult male (1807-41956; 151.424 Biotrack 12 mo. BP) first banded and tagged on 6/29/93. Site fledged 2 young in 93; one female (1387-64198; 150.155 ATS 12 mo. TM) fledgling was banded and tagged on 8/13/93. The 94 nest was located on 4/18/94 ~200 m. from the 93 nest by tracking the adult female. This female (1387-64177; 151.845 Biotrack 24 mo. BP) and the same adult male (1807-41956; 150.396 Biotrack 12 mo. BP) were retagged on 6/23/94. The site fledged two young in 94 but neither were banded or tagged. The 95 nest was located on 4/18/95 by tracking the adult female (93 nest reoccupied). This adult female (1387-64177; 151.001 Biotrack 24 mo. BP) and the same adult male (1807-41956; 151.129 Biotrack 12 mo. BP) were retagged on 6/29/95. The site fledged two young in 95 but neither were banded or tagged. No sign of activity was observed at this nest area in 96 after the adult female moved 18.5 km to the Green Cove, Admiralty Island nest area and mated with a new male. The adult male's transmitter failed in 11/96. A new unmarked adult female was located incubating eggs on the 94 nest on 5/13/97. An adult male wearing a failed radio was also observed on 5/13/98 and is presumed to be the original 93 male (1807-41956) from this site. The new adult female (1387-84726; 151.841 Biotrack 24 mo. BP) was banded and tagged on 7/2/97, but the adult male eluded capture. Two fledglings were observed in 97. A juvenile female (1387-84729; 150.075 ATS 12 mo. TM) was banded and tagged on 8/7/97 and a juvenile male (1807-57835) was banded but not tagged on 8/14/97. Nest area active again in 98 with the same adult female and male occupying a newly constructed alternate nest located on 5/22/98 ~ 198 m. from the 97 nest. The adult female (1387-84726; 151.824 Biotrack 24 mo. BP) and adult male (1807-41956; 150.530 Biotrack 9 mo. TM) were retagged on 6/29/98. The adult male had not been recaptured since 95. The site fledged two young in 98; one fledgling male (1807-57846) was banded but not tagged on 8/14/98.</p>

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Dewey Lake Trail, Skagway, Mainland</b>  no goshawks banded/tagged	Area documented in 85. Active nest not located but fledglings and aggressive adults observed this year as result of incidental observations. Area not checked 91-98.
<b>Distin Lake, Admiralty Island</b>  no goshawks banded/tagged	Area documented in 94; active nests located in 94 and 97. First active nest found on 7/13/94 when 2 fledglings and an aggressive adult were observed as result of an incidental observation. Area was not checked in 95 or 96. Active nest with incubating adult female located on 6/5/97; this was the latest incubation date documented in 97 for southeast Alaska. Nest was found to have failed during incubation when revisited on 7/16/97. One broken egg and one added egg were collected from the nest platform. Nest area checked in 98 but no signs of activity were detected.
<b>Duffield Peninsula, Baranof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84722 151.998 96 JF 1387-84720 no tag 96 JF 1807-41979 no tag 96 JF	Area documented in 94 with active nests located in 94, 95, and 96. First active nest found on 7/3/94 when aggressive adult and three fledglings were observed during timber presale activities. Same nest reoccupied for three consecutive years 94-96. Two fledglings were observed in 95 and 3 fledglings observed in 96. A fledgling female (1387-84720) and a fledgling male (1807-41979) were banded on 7/24/96. A second fledgling female (1387-84722; 151.998 Biotrack 9 mo. TM) was banded and tagged on 7/25/96. Area checked in 97 but no activity observed. Area not checked in 98.
<b>Eagle Creek, Douglas Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64182 150.604 93-94 AF 1807-41963 151.926 93-94 AM 1807-41967 151.768 93 JM 1807-41968 151.809 93 JM	Area documented in 93. Active nest located this year only on 7/14/93 as result of USFS songbird survey two nestlings observed. The adult female (1387-64182; 150.604 Biotrack 24 mo. BP) and adult male (1807-41963; 151.926 Holohil 24 mo. BP) were banded and tagged on 7/23/93. Two male fledglings (1807-41967; 151.768 Holohil 12 mo. TM and 1807-41968; 151.809 Holohil 12 mo. TM) were banded and tagged on 8/13/93. In 94 the adult female moved 3.2 km to a new nest area at Fish Creek, Douglas Is. area and mated with a new male. The 93 adult male's transmitter (151.926) expired in 12/94 and his status remains unknown. Nest area checked 94, 95, 96, 97, and 98 but no activity observed.
<b>Eagle River (Taku Inlet), Juneau Mainland</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84732 no tag 98 JF 1807-57839 no tag 98 JM 1807-57840 no tag 98 JM 1807-47841 150.563 98 AM	Area documented in 97. Site active in 97 and 98 but active nest located in 98 only. This nest area first identified on 8/5/97 as result of observation by an ADF&G biologist who reported multiple goshawk sightings during a two day period in early August; at least two fledglings were observed here in mid-August. An active nest first found on 7/22/98 following sightings reported by a recreational hiker. The adult male (1807-57841; 150.563 Biotrack 12 mo. BP) was banded and tagged on 7/27/98 but the adult female was not observed. Site fledged four young this year and three were banded on 7/27/98, including one female (1387-84732) and two males (1807-57839 and 1807-57840).

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Fish Creek, Douglas Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64182 150.604 93-94 AF 151.895 94-95 AF 151.821 95-96 AF 151.616 96-97 AF 150.449 97-98 AF 151.271 98 AF 1387-64186 151.265 94 JF 1387-64187 151.256 94 JF 1387-84717 150.485 95 JF 1387-84731 no tag 98 JF 1807-41971 150.316 94-95 AM 151.206 95-96 AM 1807-41976 151.206 96-97 AM 151.634 97-98 AM 150.653 98 AM 1807-41980 151.269 96 JM 1807-57822 151.504 97 JM	Area documented in 94 with active nests located in 94, 95, 96, 97 and 98. Active nest first found on 5/12/94 by tracking the Eagle Creek, Douglas Island adult female (1387-64182; 150.604) to this new nest area, a distance of 3.2. km This original female has nested and been recaptured and retagged at this nest area each year from 94 through 98. This bird (1387-64182; 151.895 Biotrack 24 mo. BP) was retagged and her mate (1807-41971; 150.316 Biotrack 12 mo. BP) banded and tagged on 6/24/94. The site produced three fledglings this year and these two females (1387-64186; 151.265 Biotrack 12 TM and 1387-64187; 151.256 Biotrack 12 mo. TM) were banded and tagged on 8/2/94. On 7/3/95, the adult female (1387-64182; 151.821 Biotrack 24 mo. BP) and adult male (1807-41971; 151.206 Biotrack 12 mo. BP) were retagged. The 95 nest fledged one young and this juvenile female (1387-84717; 150.485 Biotrack 12 mo. TM) was banded and tagged on 8/1/95. The 94/95 male (1807-41971) died in 10/95 and his remains were collected on 10/12/95 on the hillside above downtown Juneau. The dead male was replaced in 96 by a two year old male (1807-41976) that was originally captured and banded on 12/31/94 at a domestic waterfowl facility at Sunny Point, Juneau. On 7/2/96, the adult female (1387-64182; 151.616 Biotrack 24 mo. BP) and this adult male (1807-41976; 151.206 Biotrack 12 mo. BP) were retagged and tagged, respectively. The 96 nest produced two fledgling and one male (1807-41980; 151.269 Biotrack 9 mo. TM) was banded and tagged on 8/7/96. On 7/3/97, the adult female (1387-64182; 150.449 Biotrack 12 mo. TM) and adult male (1807-41976; 151.634 Biotrack 9 mo. TM) were retagged. The nest fledged two young in 97 and one male (1807-57822; 151.504 Biotrack 9 mo. TM) was banded and tagged on 8/8/97. The area was active again in 98 and the adult male (1807-41976; 150.653 Biotrack 9 mo. TM) was retagged on 6/18/98. The adult female (1387-64182; 151.271 Biotrack 9 mo. TM) was retagged on 7/14/98. Three young fledged and 98 and one was found dead at the site on 7/12/98. A juvenile female (1387-84731) was banded but not tagged on 7/13/98. A total of eleven young were observed to have fledged at this nest area between 94 and 98.
<b>Florence Bay, Chichagof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-84721 151.977 96-97 AF 1807-41978 151.570 96 AM	Area documented in 96. Active nest located this year only on 6/28/96 by an USFSL crew conducting vegetation plots work. The adult female (1387-84721; 151.977 Biotrack 12 mo. BP) and adult male (1807-41978; 151.570 Biotrack 12 mo. BP) were banded and tagged on 7/16/96 and 7/15/96, respectively. Two young fledged in 96 and one juvenile female (1387-84723) was banded but not tagged on 7/25/96. The adult male's transmitter is believed to have failed during the fall of 96. The adult female's transmitter became stationary in 4/97 and expired before it could be investigated. The area was checked in 97 and 98 but no activity was observed.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Green Cove, Admiralty Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64177 151.001 95-96 AF 150.548 96-97 AF 151.250 97-98 AF 151.606 98 AF 1387-84722 no tag 97 JF 1807-41977 150.560 96-97 AM 1807-57816 no tag 97 JM 1807-57817 151.020 97 AM	Area documented in 96 with active nests located in 96, 97 and 98. Active nest first found on 5/11/96 by tracking the 93-95 Blueberry Hill, Douglas Is. adult female (1387-64177; 151.001 Biotrack 24 mo. BP) a distance of 18.5 km to this new area, where she mated with different males in 96 and 97. On 7/11/96, this female (1387-64177; 150.548 Biotrack 24 mo. BP) and the adult male (1807-41977; 150.560 Biotrack 12 mo. BP) were retagged and banded and tagged, respectively. The site fledged two young in 96 but neither was banded or tagged. The 96 male (1807-41977) died during the winter of 96/97, remains recovered on 6/6/97 at King Salmon Bay, Admiralty Is.. An active alternate nest site was located near Oliver's Inlet on 6/6/97, 2.4 km from the 96 nest by tracking the adult female. On 7/11/97, this female (1387-64177; 151.250 Biotrack 9 mo. TM) and the new adult male (1807-57817; 151.029 Biotrack 9 mo. TM) were retagged and banded and tagged, respectively. The site fledged three young this year, two of which, a male (1807-57816) and a female (1387-84727), were banded but not tagged on 7/11/97. The adult male dropped his tailmounted radiotag in late August or September of 97. On 4/10/98, an active alternate nest was located near Green Cove ~2.5km from the 97 nest by tracking the adult female. This same female (1387-64177; 151.606 Biotrack 9 mo. TM) was retagged on 6/24/98. The adult male (1807-57817; 151.029) dropped his tailmounted radiotag in late August or September of 97. The adult male present at the 98 nest eluded capture and remains unidentified. Three nestlings were observed in 98 and are believed to have all fledged. None of these juveniles were banded or tagged.
<b>Lace River, Mainland</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64178 150.546 93-94 AF 151.746 94 AF 1807-41972 150.556 94-95 AM	Area documented in 94. Active nest located this year only by tracking the 93 Point Bridget, Juneau Mainland adult female (1387-64178; 150.546 Biotrack 24 mo. BP) a distance of 24.5 km, to this new nest area where she mated with a new male. This female (1387-64178; 151.746 Biotrack 24 mo. BP) was retagged and the adult male (1807-41972; 150.556 Biotrack 12 mo. BP) banded and tagged on 6/27/94. One ~32 day old nestling was observed on this date. The adult female could not be relocated after 10/94. The adult male appears not to have nested in 95 and his transmitter failed and could not be relocated after 10/95. Area was checked in 95, 96, 97 and 98 but no activity was observed.
<b>Mud Bay River, Chichagof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1807-57838 no tag 98 JM	Area documented in 93 with active nests located in 93, 94, and 98. Active nest first found on 8/11/93; three fledglings observed on this date. No active nest was found in 94 but two fledglings were observed. Area was checked in 95 and 97 but no activity was detected. Area was not checked in 96. The 94 nest was found active with unidentified adults on 7/9/98. This nest fledged four young, one of which, an emaciated juvenile male (1807-57838) was banded on 7/19/98. Attempts to capture the adults were unsuccessful in 98.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Nugget Creek, Juneau Mainland</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-02003 150.386 92-93 AF 151.624 93-94 AF 151.795 94-95 AF 1387-64196 151.106 93 JF 1387-64197 150.047 93 JF 1387-84725 151.725 97-98 AF 1387-84730 151.001 98 AF 1807-41957 151.562 93-94 AM 150.885 94-95 AM 1807-57818 no tag 97 JM 1807-57819 no tag 97 JM 1807-57842 no tag 98 JM	Area documented in 93 with active nests located in 93, 94, 97 and 98. Active nest first found on 4/11/93 by tracking an adult female (1387-02003; 150.386) first captured and radiotagged after raiding domestic waterfowl at Sunny Point, Juneau on 3/18/92. This female (1387-02003; 151.624 AVM 12 mo. TM) and adult male (1807-41957; 151.562 AVM 12 mo. BP) were retagged and banded and tagged, respectively, on 7/1/93; three nestlings were observed on this date. Two fledgling females (1387-64196; 150.106 ATS 12 mo. TM and 1387-64197; 150.047 ATS 12 mo. TM) were banded and tagged on 8/9/93. Site was occupied by same adults in 94. Active alternate nest located on 4/24/94 ~300 m from the 93 nest. The adult female (1387-02003; 151.795 Biotrack 24 mo. BP) and adult male (1807-41957; 150.885 Biotrack 12 mo. BP) were retagged on 6/24/94. Two nestlings were observed: on this date; both fledged successfully but neither was banded/tagged. The adult female died during 2/95 and her remains were recovered on 6/21/95 ~2.6km from 94 nest. The adult male remained on territory but is believed not to have nested in 95. His transmitter (150.885) expired 10/95. No activity was observed in this nest area in 96. On 5/30/97 an unmarked adult female was observed incubating on the 93 nest. This new adult female (1387-84725; 151.725 Biotrack 24 mo. BP) was banded and tagged on 6/27/97. Her mate eluded capture and remained unidentified. Three nestlings fledged successfully this year and two juvenile males (1807-57818 and 1807-57819) were banded but not tagged on 7/26/97. In 98 the 97 adult female (1387-84725) moved to a new nest site at Auke Bay, Juneau where she mated with a new male. A site check on 4/8/98 revealed that a new female had replaced the 97 female at the Nugget Creek nest area and that she and her mate were preparing to reoccupy the 94 nest. One nestling was observed on 5/29/98. The 98 adult female (1387-84730; 151.001 Biotrack 24 mo. BP) was banded and tagged on 6/17/98. The adult male eluded capture again in 98 and remains unidentified. The lone nestling male fledged successfully (1807-57842) and was banded but not tagged on 7/29/98.
<b>Pavlof River, Chichagof Island</b>  <u>band#/ tag frequency/ year/ age-sex</u> 1387-64191 151.362 95 JF 1387-84716 151.681 95-97 AF	Area documented in 95 when fledglings responded to broadcast calls. Active nest located this year only on 7/25/95. The adult female (1387-84716; 151.681 Biotrack 24 mo. BP) was banded and tagged on 7/28/95 but the adult male eluded capture. Three fledglings were observed in 95, one of which, a juvenile female (1387-64191; 151.362 Biotrack 9 mo. TM) was banded and tagged on 7/27/95. The adult female remained in the general vicinity during both 96 and 97 but did not nest either year. Site was checked in 98 and although no sign of activity was detected in the near vicinity of the 95 nest, a pair of goshawks was observed (possibly responding to broadcast calls) along an adjacent ridge ~ 2 km from the 95 nest.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<p><b>Point Bridget, Juneau Mainland</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-64178 150.546 93-94 AF  1387-41979 151.789 93-94 AM  1807-41959 151.709 93 JM  1807-41960 151.789 93 JM  1807-57844 no tag 98 JM  1807-57845 no tag 98 JM</p>	<p>Area documented in 92 with active nests located in 92, 93 and 98. Nest area first located on ~8/16/92 when two fledglings were observed along the trail during recreational activity. Active nest located on 8/19/92. An active alternate nest was located ~450 m from the 92 nest on 7/2/93 when an adult female responded to broadcast calls. The adult female (1387-64178; 150.546 Biotrack 24 mo. BP) and the adult male (1387-64179; 151.504 Biotrack 12 mo. BP) were banded and tagged on 7/6/93. Two male nestlings were observed in 93 and both (1807-41959; 151.709 Holohil 12 mo. TM and 1807-41960; 151.789 Holohil 12 mo. TM) were banded in the nest on 8/16/93. These birds both fledged successfully and were captured and tagged on 8/16/93. The adult female (1387-64178; 150.546) moved 24.5 km to the Lace River, Mainland area in 94 and mated with a new male. The 93 adult male's radio (151.504) failed in 3/94 and his status remains unknown. The nest area was checked in 94, 95, 96, and 97 but no nesting activity was confirmed despite numerous goshawk observations and responses to playback recordings during 95, 96 and 97. Nest area was active in 98 with the birds occupying an alternate nest stand ~2.8 km from the previously known nest cluster. Nest located on 7/30/98 after following up on a recreational hikers reports of fledgling vocalizations. The new adult male (1807-57843; 150.716 Biotrack 12 mo. BP) at this nest was banded and tagged on 7/31/98. The adult female was never observed and remains unidentified. The 98 nest fledged two young and both of these males (1807-57844 and 1807-57845) banded but not tagged 7/31/98.</p>
<p><b>Ready Bullion, Douglas Island</b></p> <p><u>band#/ tag frequency/ year/ age-sex</u></p> <p>1387-64172 150.446 92 JF  1387-64173 150.526 92 AF  1387-84724 151.893 97-98 AF  151.617 98-99 AF  1807-41953 150.406 92 AM  1807-41983 150.687 97-98 AM  151.029 98-99 AM  1807-57820 no tag 97 JM  1807-57821 no tag 97 JM  1807-57837 no tag 98 JM</p>	<p>Area documented in 91 with active nests located in 91, 92, 97, and 98. Active nest and two fledglings first observed on 6/22/91 but no captures were attempted this year. In 92 an active alternate nest was located ~250 m from the 91 nest. The adult female (1387-64173; 150.526 Biotrack 24 mo. BP) and adult male (1807-41953; 150.406 Biotrack 12 mo. BP) were banded and tagged on 7/2/92. One female nestling (1387-64172; 150.446) ~25 days old was observed and banded on this date. This bird was captured and tagged on 8/6/92. The adult female's radio signal (150.526) became stationary during 9/92 and failed before it could be investigated. The adult male's signal (150.406) was lost during 9/92 and his status remains unknown. Although no nesting activity was observed during 93, 94, 95, or 96, an alternate nest possibly active in 93 or 94 was located on 5/8/96. The site was active again in 97 and an unmarked adult male was observed reconstructing the 91 nest and copulating with an unmarked adult female on 4/11/97. The adult female was later observed incubating on 5/13/97. The adult female (1387-84724; 151.893 Biotrack 24 mo. BP) and adult male (1807-41983; 150.687 Biotrack 12 mo. BP) were banded and tagged on 6/25/97. Two nestlings were observed on this date and both of these males (1807-57820 and 1807-57821) were captured and banded as fledglings on 7/31/97. The same adults occupied the site in 98 and constructed new alternate nest ~200 m from the 97 nest. The adult female (1387-84724; 151.617 Biotrack 24 mo. BP) and adult male (1807-41983; 151.029 Biotrack 9 mo. TM) were retagged on 6/16/98. The site fledged two young, a male and a female, this year. The juvenile male (1807-57837) was banded but not tagged on 7/16/98.</p>

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

Nest Area/Goshawk	Activities/Observations*
<b>Turner Lake, Juneau Mainland</b>  no goshawks banded/tagged	Area documented in 96. Active nest located in 97 only. This nest area was first found following adult and fledgling goshawk observations reported by a F&G biologist recreationally camping at the lake during the first week of 8/96. No nest search was conducted that year. An active nest contained three branching nestlings, and one alternate nest were located on 6/17/97. The chronology of this nest was very early as all nestlings fledged by 6/29/97. No goshawks were captured here in 97. The site was checked in 98 and evidence suggests the site may have failed this year. An adult male responded to broadcast calls within the nest stand on 6/3/98 and a previously identified alternate nest appeared to have been reconstructed. No other nesting activity was observed and the adult female was not observed. A third alternate nest, believed to be the 96 active nest, was also located on 6/3/98. No goshawks have been captured or banded at this site.
<b>Whitestone, Chichagof Island</b>  <u>band# / tag frequency / year / age-sex</u> 1387-84718 150.036 95 JF 1387-84719 151.501 95 AF	Area documented in 95. Active nest located in 96 only. This area was first found following an incidental observation of an adult female by a goshawk project biologist on 7/27/95. Three fledglings were observed on this same date. One juvenile female (1387-84718; 150.036 Biotrack 12 mo. TM) was banded and tagged on 8/4/95. The adult female (1387-84719; 151.501 Biotrack 24 mo. BP) was banded and tagged on 8/16/95 but her transmitter failed in 10/95. The first active nest was found on 6/3/96 when an adult female wearing a failed radiotag (presumed to be the 95 female) was observed incubating or brooding. This nest is believed to have failed during the fledgling dependency period. FWS biologists reported observing one fledgling on 7/5/95 but a follow visit on 7/8/96 revealed no signs of activity. Site was checked in 97 but no signs of nesting activity were observed, however, a fresh pluck was found in the nest stand. The site checked again in 98 but no sign of activity was observed. An active logging operation nearby this year may have deterred the birds from using the known nest stand.

\* BP = backpack style transmitter, TM = tail-mounted transmitter; LM = leg-mounted transmitter

**Goshawk nest sites and cumulative nesting areas documented in Southeast Alaska, 1991–1998**

